Release Notes

New Features in Factura Software v. 2.2

1998 (updated 03/2001)

SUBJECT: ABI PRISM® Factura Feature Identification Software v. 2.2

Summary of New Features

The new features in Factura™ v. 2.2 Software:

- Factura installation now part of the Sequencing Analysis v. 3.3 software installation (see page 3)
- Support for the BioLIMS® Genetic Information Management System version 2.0:
  - Macintosh® client support for the BioLIMS v. 2.0 Database on an Oracle® Database Server (see page 4)
  - The Collections Browser (was Sequence Chooser) (see page 5)
  - UNIX client support for the BioLIMS v. 2.0 Database on an Oracle Database Server (see page 6)

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In These Release Notes

These release notes supplement the *ABI PRISM Factura Feature Identification Software User's Manual* (P/N 904946). New information and instructions not documented in the user's manual are contained in these pages.

Topics in this document

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Installing Factura Software

To Install Factura v. 2.2 Software

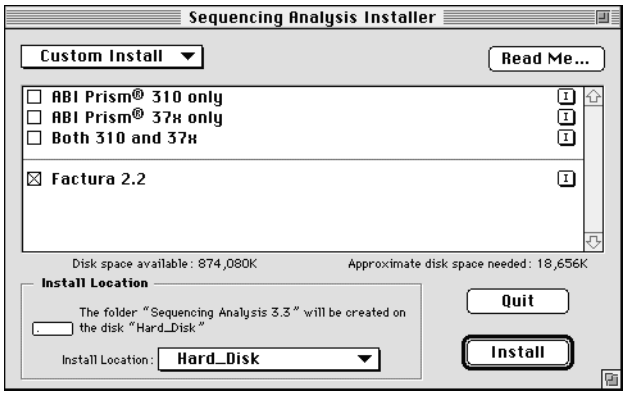
The Factura v. 2.2 Application is included on the DNA Sequencing Analysis installation CD-ROM.

For information on how to install Factura v. 2.2, refer to Chapter 2 of the *ABI PRISM DNA Sequencing Analysis Software User's Manual* (P/N 4306158).

Note Be sure to check the Factura 2.2 box in the Sequencing Analysis Installer window.

The Sequencing Analysis Installer Window

Approximately 18.5MB of disk space is required to install Factura v. 2.2.



Using Factura v. 2.2 Software with BioLIMS v. 2.0 Database

Introduction

Using Factura v. 2.2 Software with a BioLIMS v. 2.0 Database is similar to using Factura v. 2.1 Software with a BioLIMS v. 1.0 Database. Use of Factura v. 2.1 with a BioLIMS 1.0 Database is described in Appendix B of the *ABI PRISM Factura Feature Identification Software User's Manual* (P/N 904946).

Differences between using Factura v. 2.1 with BioLIMS v. 1.0 and Factura v. 2.2 with BioLIMS v. 2.0 are noted below.

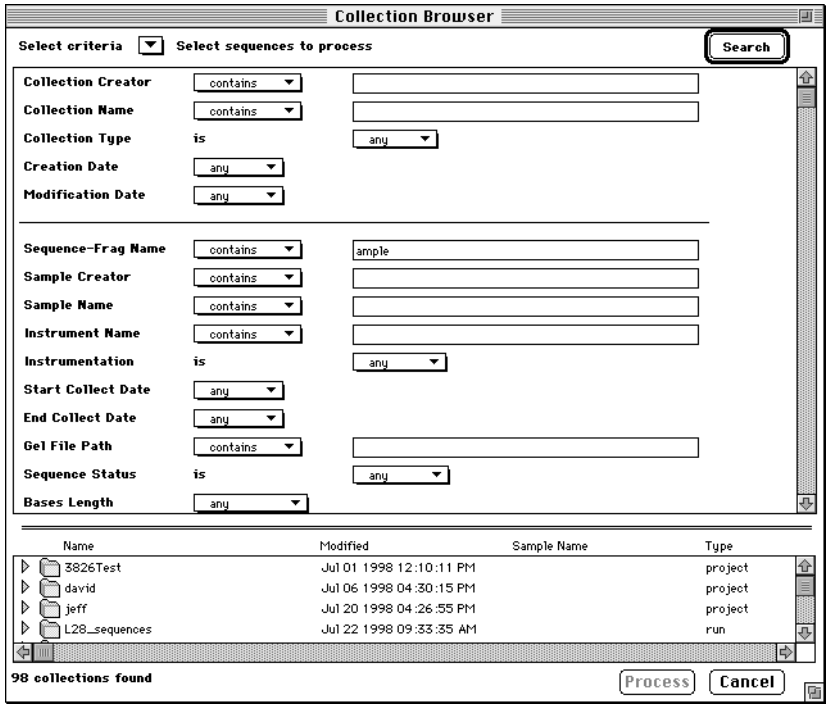
Set Up for Database Connection

Factura v. 2.2 works with the BioLIMS v. 2.0 Database. Your BioLIMS database may run on either an Oracle or a Sybase® server. (BioLIMS v. 1.0 worked with a Sybase SQL Server™ only.)

Information about setting up the connection between the client applications (e.g. Factura v. 2.2, Sequencing Analysis v. 3.3) and the database is given in Chapter 3 of the *ABI PRISM DNA Sequencing Analysis Software v. 3.3 User's Manual* (P/N 4306158).

Collection Browser

The window that was called the Sequence Chooser in Factura v. 2.1 is called the Collection Browser window in Factura v. 2.2.



Functionally this window is the same, although one new search criterion (Instrument Name) has been added.

For more information about this window refer to Chapter 3 of the *ABI PRISM DNA Sequencing Analysis Software v. 3.3 User's Manual* (P/N 4306158) or to Appendix B of the *ABI PRISM Factura Feature Identification Software User's Manual* (P/N 904946).

Using Factura for UNIX v. 2.2 with BioLIMS v. 2.0 Database

Introduction

Installation

Factura for UNIX is packaged with the BioLIMS Server CD-ROM. It should have been copied into a factura directory in the database user account when the BioLIMS database was installed.

Factura for UNIX with a BioLIMS Database on a Sybase SQL Server

If you are using Factura for UNIX v. 2.2 Software with a BioLIMS v. 2.0 Database running on a Sybase server, follow the instructions "Using the BioLIMS database" found in Appendix B of the *ABI PRISM Factura Feature Identification Software User's Manual* (P/N 904946).

Factura for UNIX with a BioLIMS Database on an Oracle Database Server

If you are using Factura for UNIX v. 2.2 Software with a BioLIMS v. 2.0 Database running on an Oracle server, set the environment variables for Oracle Server connection as described below.

The Oracle Environment Variables

There are five environment variables that you need to set in order to use Factura for UNIX to process sequences from the BioLIMS database:

- BIOLIMS_CONF
- ORACLE_HOME
- LD_LIBRARY_PATH
- ORACLE_SID
- TNS_ADMIN

You should edit your .cshrc file or your .profile file to set the these environment variables as follows.

Note These examples are given for a C shell. If you are using a different shell (e.g. a Bourne, or Korn), see your network administrator for assistance.

BIOLIMS_CONF Variable

Specify the path name to the database connection file using the BIOLIMS_CONF environment variable.

This example points to a database connection file, biolims.conf, in the user's own Factura directory:

```
setenv BIOLIMS_CONF ~/factura/biolims.conf
```

If you move or rename the database connection file, remember to edit your .cshrc or .profile file to point to the correct file name and location.

Note If the BIOLIMS_CONF environment variable is not set, the existence of a file named biolims.conf in the current directory is assumed.

The Database Connection File

The database connection file is a four-line text file of the form:

```
database account user name
database account password
database name
server name
```

For example, the following file would permit a user named sfdb with password george1 to connect to the BioLIMS database sfdb on the server ID called Oracle:

```
sfdb
george1
sfdb
Oracle
```

Note For Oracle, the database name and the user name must be the same.

An example connection file named "biolims.conf" is provided in the ~/factura directory.

ORACLE_HOME Variable

You need to set the ORACLE_HOME environment variable to point to the directory that contains the Oracle software.

For example:

```
setenv ORACLE_HOME /export/home/oracle/v7
```

LD_LIBRARY_PATH Variable

You need to include the directory of the Oracle Server shared library files in the library path list. At installation, these files are placed in the $ORACLE_HOME/lib directory.

For example:

```
setenv LD_LIBRARY_PATH $ORACLE_HOME/lib:${LD_LIBRARY_PATH}
```

ORACLE_SID Variable

You need to set the ORACLE_SID environment variable to the value of the system identifier (sid) of the database. You should obtain this information from your database administrator.

For example:

```
setenv ORACLE_SID oracle
```

TNS_ADMIN Variable

You need to set the TNS_ADMIN environment variable to the path of the tnsnames.ora file for the Oracle Server.

For example:

```
setenv TNS_ADMIN $ORACLE_HOME/network/admin
```

Known Problems

"Save a Copy As" Command Missing	The Save a Copy As command used to save copies of the Factura Log window is not available in the Factura v. 2.2 program.
File Formats for Factura for UNIX	Page A-13 of the *ABI PRISM Factura Feature Identification Software User's Manual* (P/N 904946) incorrectly states that Factura for UNIX supports INHERIT files. Factura for UNIX supports sample files, text files, and Pearson files as input formats. Factura on the Macintosh does support INHERIT files.

Technical Support

Contacting Technical Support

You can contact Applied Biosystems for technical support by telephone or fax, by e-mail, or through the Internet. You can order Applied Biosystems user documents, MSDSs, certificates of analysis, and other related documents 24 hours a day. In addition, you can download documents in PDF format from the Applied Biosystems Web site (please see the section "To Obtain Documents on Demand" following the telephone information below).

To Contact Technical Support by E-Mail

Contact technical support by e-mail for help in the following product areas:

Product Area	E-mail address
Genetic Analysis (DNA Sequencing)	galab@appliedbiosystems.com
Sequence Detection Systems and PCR	pcrlab@appliedbiosystems.com
Protein Sequencing, Peptide and DNA Synthesis	corelab@appliedbiosystems.com
Biochromatography, PerSeptive DNA, PNA and Peptide Synthesis systems, CytoFluor®, FMAT™, Voyager™, and Mariner™ Mass Spectrometers	tsupport@appliedbiosystems.com
LC/MS (Applied Biosystems/MDS Sciex)	apisupport@sciex.com or api3-support@sciex.com
Chemiluminescence (Tropix)	tropix@appliedbiosystems.com

Hours for Telephone Technical Support

In the United States and Canada, technical support is available at the following times:

Product	Hours
Chemiluminescence	8:30 a.m. to 5:30 p.m. Eastern Time
Framingham support	8:00 a.m. to 6:00 p.m. Eastern Time
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In North America

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Step	Action
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4	Enter the required information in the next form (if you have not already done so), then click **Ask Us RIGHT NOW**. You will receive an e-mail reply to your question from one of our technical experts within 24 to 48 hours.

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